



P.5.5818 - Patentlaan 2  
2280 HV Rijswijk (ZH)  
+31 70 340 2040  
TX 31651 epo nl  
FAX +31 70 340 3016

Eur pâisches  
Patentamt

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

European  
Patent Office

Branch at  
The Hague  
Search  
division

Office ur pén  
des br vets

Département à  
La Haye  
Division de la  
recherche

Chapman, Helga  
Helga Chapman & Co.,  
The Old Cottage  
Mount Lane,  
Salisbury SP3 4AG  
GRANDE BRETAGNE

P00159EP

Datum/Date  
17.04.03

Zeichen/Ref./Réf. PJF01533EP	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 02258640.8-1246-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Aston Photonic Technologies Ltd.	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract  title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1A

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2002/025097 A1 (SMITH PETER W E ET AL) 28 February 2002 (2002-02-28) * page 4, column 1, line 13 - column 2, line 26 * * page 4, column 2, line 59 - line 62 * * page 5, column 1, line 16 - line 30 * * page 5, column 2, line 2 - line 40 * * page 6, column 2, line 5 - line 12 * * page 7, column 2, line 22 - line 35 * * page 8, column 1, line 9 - line 53 * * page 8, column 2, line 20 - line 30 * * claims 22,28-31,57 * * figures 1-3,11 *	1,4-8, 12,13	H04B10/08 G01K11/32 G01D5/353
Y	---	2,3,14, 15	
Y	STUBKJAER K E ET AL: "Recent advances in semiconductor optical amplifiers and their applications" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS. NEWPORT, APR. 21 - 24, 1992, NEW YORK, IEEE, US, vol. CONF. 4, 21 April 1992 (1992-04-21), pages 242-245, XP010058407 ISBN: 0-7803-0522-1 * page 244, column 1, paragraph 3 - column 2, paragraph 3 *	2,3	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Y	US 2001/013934 A1 (KLUTH ERHARD LOTHAR EDGAR ET AL) 16 August 2001 (2001-08-16) * page 3, column 1, paragraph 54 - page 5, column 2, paragraph 87 * * figures 1,4-8,11 *	14,15	H04B G01K G01D
	---	-/-	

4 The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	10 April 2003	Vaquero, R

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone  
Y : particularly relevant if combined with another document of the same category  
A : technological background  
O : non-written disclosure  
P : intermediate document

T : theory or principle underlying the invention  
E : earlier patent document, but published on, or after the filing date  
D : document cited in the application  
L : document cited for other reasons  
& : member of the same patent family, corresponding document



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	<p>VOLANTHEN M ET AL: "Low coherence technique to characterise reflectivity and time delay as a function of wavelength within a long fibre grating" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 32, no. 8, 11 April 1996 (1996-04-11), pages 757-758, XP006005016 ISSN: 0013-5194 * the whole document *</p> <p>-----</p>	8-11	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
4	Place of search  THE HAGUE	Date of completion of the search  10 April 2003	Examiner  Vaquero, R
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 02 25 8640

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-04-2003

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002025097	A1	28-02-2002	US	6212306 B1		03-04-2001
US 2001013934	A1	16-08-2001	AU	1167499 A		16-06-1999
			CA	2311795 A1		10-06-1999
			EP	1036307 A1		20-09-2000
			WO	9928713 A1		10-06-1999
			NO	20002790 A		31-07-2000